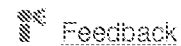




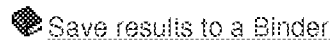
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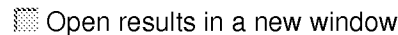
(media and processing and project and filter and switch and simultaneous)
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1 [TinyDB: an acquisitional query processing system for sensor networks](#)



Samuel R. Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong
March 2005 ACM Transactions on Database Systems (TODS), Volume 30 Issue 1
Publisher: ACM

Full text available: [pdf\(1.67 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
[review](#)

Bibliometrics: Downloads (6 Weeks): 1031, Downloads (12 Months): 2925, Citation Count: 59

We discuss the design of an acquisitional query processor for data collection in sensor networks. Acquisitional issues are those that pertain to where, when, and how often data is physically acquired (*sampled*) and delivered to query processing ...

Key words: Query processing, data acquisition, sensor networks

2 [Astronomical real-time streaming signal processing on a Blue Gene/L supercomputer](#)



John W. Romein, P. Chris Broekema, Ellen van Meijeren, Kjeld van der Schaaf, Walther H. Zwart
July 2006 SPAA '06: Proceedings of the eighteenth annual ACM symposium on Parallelism in algorithms and architectures
Publisher: ACM

Full text available: [pdf\(557.15 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 78, Citation Count: 1

LOFAR is the first of a new generation of radio telescopes, that combines the signals from many thousands of simple, fixed antennas, rather than from expensive dishes. Its revolutionary design and unprecedented size enables observations in a frequency ...

Key words: Blue Gene/L, LOFAR, correlator, filtering

3 [Query processing and optimization in Oracle Rdb](#)

Gennady Antoshenkov, Mohamed Ziauddin
December 1996 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 5 Issue 4
Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(92.62 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 153, Citation Count: 21

This paper contains an overview of the technology used in the query processing and optimization

component of Oracle Rdb, a relational database management system originally developed by Digital Equipment Corporation and now under development by Oracle ...

Keyw ords: Dynamic optimization, Optimizer, Query transformation, Relational database, Sampling

4 [A scalable, clustered SMT processor for digital signal processing](#)



Mladen Berekovic, Sören Moch, Peter Pirsch

June 2004 ACM SIGARCH Computer Architecture News, Volume 32 Issue 3

Publisher: ACM

Full text available: pdf(356.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 76, Citation Count: 1

A scalable, distributed, processor architecture is presented that emphasizes on high performance computing for digital signal processing applications by combining high frequency design techniques with a very high degree of parallel processing on a chip. ...

5 [Simultaneous usage of NEMO and MANET for vehicular communication](#)

Manabu Tsukada, Olivier Mehani, Thierry Ernst

March 2008 TridentCom '08: Proceedings of the 4th International Conference on Testbeds and research infrastructures for the development of networks & communities

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)

Full text available: pdf(668.97 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 14, Citation Count: 0

Mobile Ad-hoc Network (MANET) routing protocols and NEMO Basic Support are considered key technologies for vehicle networks. Cooperation between MANET and NEMO (MANEMO) brings several benefits especially for route optimization and multihoming. We made ...

Keyw ords: MANEMO, MANET, NEMO basic support, multihoming, vehicular network

6 [Structuring Internet media streams with cueing protocols](#)

Jack Brassil, Henning Schulzrinne

August 2002 IEEE/ ACM Transactions on Networking (TON), Volume 10 Issue 4

Publisher: IEEE Press

Full text available: pdf(282.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 80, Citation Count: 1

We propose a new, media-independent protocol for including program timing, structure, and identity information in Internet media streams. The protocol uses signaling messages called *cue* to indicate events whose timing is significant to receivers, ...

Keyw ords: content delivery networks, multimedia signaling, real-time transport protocol (RTP)

7 [Frontiers in electronic media](#)



Kim H. Veltman


July 1997 interactions, Volume 4 Issue 4

Publisher: ACM

Full text available: pdf(11.63 MB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 131, Citation Count: 3

8 [A scalable, clustered SMT processor for digital signal processing](#)

 Mladen Berekovic, Sören Moch, Peter Pirsch

September 2003 MEDEA '03: Proceedings of the 2003 workshop on MEemory performance: DEaling with Applications , systems and architecture

Publisher: ACM

Full text available:  pdf(356.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 76, Citation Count: 1

A scalable, distributed, processor architecture is presented that emphasizes on high performance computing for digital signal processing applications by combining high frequency design techniques with a very high degree of parallel processing on a chip. ...

9 [\(UWB\)²: uncoordinated, wireless, baseborn medium access for UWB communication networks](#)

Maria-Gabriella Di Benedetto, Luca De Nardis, Matthias Junk, Guerino Giancola

October 2005 Mobile Networks and Applications, Volume 10 Issue 5

Publisher: Kluwer Academic Publishers


Full text available:  pdf(1.55 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 82, Citation Count: 0

A MAC protocol for Ultra Wide Band (UWB) radio networks named (UWB)² is proposed. The algorithm exploits typical features of impulse radio such as large processing gain, and is conceived in conjunction with a synchronization strategy which ...


Keyw ords: medium access control, synchronization, ultra wide band

10 [Shield: vulnerability-driven network filters for preventing known vulnerability exploits](#)

 Helen J. Wang, Chuanxiong Guo, Daniel R. Simon, Alf Zugenmaier

August 2004 SI GCOMM '04: Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM


Full text available:  pdf(242.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 148, Citation Count: 23

Software patching has not been effective as a first-line defense against large-scale worm attack even when patches have long been available for their corresponding vulnerabilities. Generally, people have been reluctant to patch their systems immediately, ...

Keyw ords: generic protocol analyzer, network filter, patching, vulnerability signature, worm defense

11 [A survey of processors with explicit multithreading](#)

 Theo Ungerer, Borut Robič, Jurij Šilc

March 2003 ACM Computing Surveys (CSUR), Volume 35 Issue 1

Publisher: ACM


Full text available:  pdf(920.16 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 52, Downloads (12 Months): 561, Citation Count: 16

Hardware multithreading is becoming a generally applied technique in the next generation of microprocessors. Several multithreaded processors are announced by industry or already into production in the areas of high-performance microprocessors, media, ...


Keyw ords: Blocked multithreading, interleaved multithreading, simultaneous multithreading

12 [Larrabee: a many-core x86 architecture for visual computing](#)

 Larry Seiler, Doug Carmean, Eric Sprangle, Tom Forsyth, Michael Abrash, Pradeep Dubey, Stephen Junkins, Adam Lake, Jeremy Sugerman, Robert Cavin, Roger Espasa, Ed Grochowski, Toni Juan, Pa Hanrahan

August 2008 ACM Transactions on Graphics (TOG), Volume 27 Issue 3

Publisher: ACM

Full text available:  pdf(2.21 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6348, Downloads (12 Months): 6348, Citation Count: 0

This paper presents a many-core visual computing architecture code named Larrabee, a new software rendering pipeline, a manycore programming model, and performance analysis for several applications. Larrabee uses multiple in-order x86 CPU cores that ...

Keyw ords: GPGPU, SIMD, graphics architecture, many-core computing, parallel processing, realtime graphics, software rendering, throughput computing, visual computing

13 [Shield: vulnerability-driven network filters for preventing known vulnerability exploits](#)

 Helen J. Wang, Chuanxiong Guo, Daniel R. Simon, Alf Zugenmaier

August 2004 ACM SIGCOMM Computer Communication Review, Volume 34 Issue 4

Publisher: ACM

Full text available:  pdf(242.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 148, Citation Count: 23

Software patching has not been effective as a first-line defense against large-scale worm attack: even when patches have long been available for their corresponding vulnerabilities. Generally, people have been reluctant to patch their systems immediately, ...

Keyw ords: generic protocol analyzer, network filter, patching, vulnerability signature, worm defense

14 [Scalability and resource usage of an OLAP benchmark on clusters of PCs](#)

 Michela Taufer, Thomas Stricker, Roger Weber

August 2002 SPAA '02: Proceedings of the fourteenth annual ACM symposium on Parallel algorithm and architectures

Publisher: ACM

Full text available:  pdf(219.90 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 61, Citation Count: 1

Designing clusters of PCs for distributed databases processing OLAP(On Line Analytical Processir workloads in parallel with good scalability remains a particular challenge as we are lacking a dee understanding of the architectural issues around resource ...


Keyw ords: cluster of PCs, distributed OLAP processing, parallel databases, performance analys workload characterization

15 [Larrabee: a many-core x86 architecture for visual computing](#)

 Larry Seiler, Doug Carmean, Eric Sprangle, Tom Forsyth, Michael Abrash, Pradeep Dubey, Stephen Junkins, Adam Lake, Jeremy Sugerman, Robert Cavin, Roger Espasa, Ed Grochowski, Toni Juan, Pat Hanrahan

August 2008 SIGGRAPH '08: ACM SIGGRAPH 2008 papers

Publisher: ACM

Full text available:  pdf(2.21 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6348, Downloads (12 Months): 6348, Citation Count: 0

This paper presents a many-core visual computing architecture code named Larrabee, a new software rendering pipeline, a manycore programming model, and performance analysis for several applications. Larrabee uses multiple in-order x86 CPU cores that ...

Keywords: GPGPU, SIMD, graphics architecture, many-core computing, parallel processing, realtime graphics, software rendering, throughput computing, visual computing

16 [Shoot & copy: phonecam-based information transfer from public displays onto mobile phones](#)

 Sebastian Boring, Manuela Altendorfer, Gregor Broll, Otmar Hilliges, Andreas Butz

September 2007 Mobility '07: Proceedings of the 4th international conference on mobile technology applications, and systems and the 1st international symposium on Computer human interaction in mobile technology

Publisher: ACM

Full text available:  pdf(274.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 21, Citation Count: 0

Large public displays have become pervasive in our everyday lives, but up to now, they are mostly information screens without any interaction possibilities. Users tend to forget what they saw relatively fast after leaving such a display. In this paper, ...

Keywords: image processing, large public displays, mobile camera phones

17 [Toolglass and magic lenses: the see-through interface](#)

 Eric A. Bier, Maureen C. Stone, Ken Pier, William Buxton, Tony D. DeRose

September 1993 SIGGRAPH '93: Proceedings of the 20th annual conference on Computer graphics and interactive techniques

Publisher: ACM

Full text available:  pdf(232.08 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 393, Citation Count: 218

Keywords: button, control panel, lens, macro, menu, multi-hand, transparent, viewing filter

18 [A new adaptive MAC layer protocol for broadband packet wireless networks in harsh fading and interference environments](#)

Anthony S. Acampora, Srikanth V. Krishnamurthy

June 2000 IEEE/ACM Transactions on Networking (TON), Volume 8 Issue 3

Publisher: IEEE Press

Full text available:  pdf(171.56 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 52, Citation Count: 2

Keyw ords: media access protocols, wireless

19 [Packet decoding using context sensitive parsing](#)



Sylvain Marquis, Thomas R Dean, Scott Knight

October 2006 CASCON '06: Proceedings of the 2006 conference of the Center for Advanced Studies on Collaborative research

Publisher: ACM

Full text available: [pdf\(252.90 KB\)](#) [htm\(1.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 55, Citation Count: 0

Protocol tester is a project at RMC and Queen's that applies program transformation techniques protocol data to evaluate the security of network applications. As part of this process, binary protocols are translated into a textual representation. ...

20 [The Jam-O-Drum interactive music system: a study in interaction design](#)



Tina Blaine, Tim Perkis

August 2000 DIS '00: Proceedings of the 3rd conference on Designing interactive systems: processes, practices, methods, and techniques

Publisher: ACM

Full text available: [pdf\(530.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 115, Citation Count: 26

This paper will describe the multi-user interactive music system known as the Jam-O-Drum developed at Interval Research Corporation.¹ By combining velocity sensitive input devices and computer graphics imagery into an integrated tabletop surface, up ...

Keyw ords: collaborative, computer graphics, input device, interaction design, interactive music system, multi-user, musical improvisation, novice, social interaction, velocity sensitive

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